

CLAIMS

1. A hard coat film comprising a hard coat layer, which is a cured coat layer, provided on at least one side of a transparent plastic film substrate, wherein

a hard coat layer forming material comprises: urethane acrylate (A); isocyanuric acid acrylate (B) and inorganic ultrafine particles (C).

2. The hard coat film according to claim 1, wherein the ultrafine particles (C) are at least one metal oxide selected from the group consisting of titanium oxide, silicon oxide, aluminum oxide, zinc oxide, tin oxide and zirconium oxide.

3. The hard coat film according to claim 1, wherein an average particle diameter of inorganic ultrafine particles (C) is 100 nm or less.

4. The hard coat film according to claim 1, wherein a thickness of the hard coat layer is in the range of from 15 to 50 μm .

5. The hard coat film according to claim 1, having a pencil hardness of 4H or higher.

6. The hard coat film according to claim 1, wherein a difference in refractive index between the transparent plastic film substrate and the hard coat layer is 0.04 or less.

7. An antireflection hard coat film comprising the hard coat film according to claim 1 and an antireflection layer formed on the hard coat layer of the hard coat film.

8. The antireflection hard coat film according to claim 7, wherein ultrafine particles of silicon oxide each in the shape of a hollow sphere are contained in the antireflection layer.

9. An optical element comprising the hard coat film according to claim 1 laminated on one side or both sides of an optical element.

10. An optical element comprising the antireflection hard coat film according to claim 7 laminated on one side or both sides of an optical element.

11. An image display comprising a hard coat film according to any one of claims 1 to 6, an antireflection hard coat film according to claim 7 or 8, or an optical element according to claim 9 or 10.